1 2 The invention in which an exclusive property or 3 privilege is claimed are defined as follows: A method of extending the life of carbon brakes 6 for multiple brake aircraft comprising measuring the speed 7 of the aircraft when braking, measuring the desired 8 braking intensity, comparing the speed and the desired 9 braking intensity to preset values and if both the speed 10 and the braking intensity are below said preset values, ll disabling at least one of the said carbon brakes during 12 said braking and thereafter selectively disabling other 13 said carbon brakes during succeeding braking 14 applications. 15 16 Means for extending the life of carbon brakes for 17 aircraft comprising means for sensing the speed of the 18 aircraft; means for measuring the desired intensity of 19 braking action; means to compare the aircraft speed and 20 desired braking intensity to predetermined values; means 21 for disabling at least one of the brakes upon sensing 22 desired braking intensity and aircraft speed below said 23 predetermined values; means for disabling the other said 24 brakes under like conditions upon successive brake 25 applications; and means for sequencing the successive 26 brake disablements to provide for substantially uniform 27 brake heating. 28 29 The method of claim 1 where half the brakes are 30 disabled during each said disabling step. 31

4. The method of claim 1 where more than half the 2 brakes are disabled during each said disabling step. 3 5. The method of claim 1 where the aircraft speed is 5 determined based on wheel speed. 7 The means of claim 2 where the means for disabling 8 the brakes disable half of said brakes during each brake 9 disablement. 10 11 The means of claim 2 where the means for disabling 12 the brakes disable more than half of said brakes during 13 each brake disablement. 14 15 The means of claim 2 where means for determining 16 the aircraft speed receive input from means for measuring 17 wheel speed. 18 19 The method of claim 1 where the brake temperature 20 is measured. 21 The means of claim 2 where means are provided to 22 23 measure the brake temperature and input said reading to 24 the brake disabling means. 25 26 11. Means for extending the life of carbon brakes on 27 multiwheel aircraft comprising a sensor for measuring 28 wheel speed, means for translating measured wheel speed 29 into aircraft speed, means for measuring hydraulic 30 pressure in a brake line, means for comparing the aircraft 31 speed and the hydraulic pressure in said brake line to 32 predetermined maximum values, and means to selectively

l disable at least one of said carbon brakes when said 2 aircraft speed and hydraulic pressure are below said 3 maximum values. 12. The means of claim 11 where a said brake is 6 disabled by an antiskid control device. 13. A method of extending the life of carbon brakes 9 for multiple brake aircraft comprising measuring the speed 10 of the aircraft at the time the brakes are applied, 11 measuring the desired braking intensity, comparing the 12 speed and the desired braking intensity to preset values 13 and if both the speed and the braking intensity are below 14 said preset values at the time the brakes are applied, 15 disabling at least one of the said carbon brakes during 16 said braking application and selectively disabling other 17 said carbon brakes during succeeding braking applications 18 when the said speed and desired braking intensity are 19 below the said preset values. 20 14. Means for extending the life of carbon brakes for 21 22 aircraft comprising means for sensing the speed of the 23 aircraft; means for determining the desired intensity of 24 braking action by measuring the fluid pressure in the 25 brake line; means to compare the aircraft speed and fluid 26 pressure to predetermined values; means for disabling at 27 least one of the brakes upon sensing fluid pressure and 28 aircraft speed below said predetermined values; means for 29 disabling other said brakes under like conditions upon 30 successive brake applications; means for sequencing the

31 successive brake disablements to provide for substantially

- 1 uniform brake heating; and means for removing the brake
- 2 disable signal when the fluid pressure in the brake line
- 3 exceeds said predetermined value or a higher value such
- 4 that all the said brakes are applied.